IN THE CLAIMS

Claims 1-21 (Canceled).

22. (New) A method for operating a communication system, the method comprising:

receiving via a wireless packet communication link a message requesting setup of a voice call, the message comprising a destination address;

identifying one of the at least one communication link based upon at least one of the destination address and predetermined routing information;

sending via the identified one of the at least one communication link signals requesting setup of the voice call;

receiving via the identified one of the at least one communication link signals representing call status; and

establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is received.

23. (New) The method of claim 22 further comprising:

refraining from establishing voice communication between the wireless packet communication link and the identified one of the at least one communication link, if call status indicating establishment of a connection is not received.

24. (New) The method of claim 22 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

25. (New) The method of claim 22 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

26. (New) The method of claim 22 wherein the wireless packet communication link uses an Internet protocol (IP).

27. (New) The method of claim 26 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

28. (New) The method of claim 22 wherein the at least one communication link comprises an Ethernet compatible network.

29. (New) The method of claim 28 wherein the destination address comprises an Internet protocol (IP) address.

30. (New) The method of claim 22 wherein the at least one communication link comprises a conventional telephone switching network.

31. (New) The method of claim 30 wherein the at least one communication link is an analog communication link.

32. (New) The method of claim 30 wherein the destination identifier comprises a telephone number.

33. (New) The method of claim 22 wherein the predetermined routing information comprises at least one association of a destination address and one of the at least one communication link.

34. (New) The method of claim 22 wherein the identifying is based upon a type of a destination address.

35. (New) The method of claim 34 wherein the type of a destination address is one of an Internet protocol (IP) address and a telephone number.

36. (New) The method of claim 22 wherein the identifying is based upon a value of a destination address.

37. (New) The method of claim 22 wherein the identifying is based upon a cost of use of a communication link.

38. (New) The method of claim 22 wherein the call status represents one of a busy condition, a ringing condition, and connection established condition.

39. (New) The method of claim 22 further comprising:

sending via the wireless packet communication link a message indicating call connection.

40. (New) The method of claim 22 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the identified one of the at least one communication link, and converting information received from the identified one of the at least one communication link for transmission via the wireless packet communication link.

41. (New) The method of claim 40 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

42. (New) The method of claim 41 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

43. (New) The method of claim 22 wherein establishing voice communication comprises establishing communication of data.

44. (new) The method of claim 43 wherein the data comprises image data.

45. (New) A method for operating a communication system, the method comprising:

receiving via one of at least one communication link an indication of an incoming voice call, each of the at least one communication link having an associated type;

sending via a wireless packet communication link a message requesting setup of the voice call;

receiving via the wireless packet communication link a message indicating call status; and

establishing voice communication between the wireless packet communication link and the one of the at least one communication link based upon the associated type, if call status indicating establishment of a connection is received.

46. (New) The method of claim 45 further comprising:

refraining from establishing voice communication between the wireless packet communication link and the one of the at least one communication link, if call status indicating establishment of a connection is not received.

47. (New) The method of claim 45 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

48. (New) The method of claim 45 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

49. (New) The method of claim 45 wherein the wireless packet communication link uses an Internet protocol (IP).

50. (New) The method of claim 49 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

51. (New) The method of claim 45 wherein the at least one communication link comprises an Ethernet compatible network.

52. (New) The method of claim 45 wherein the at least one communication link comprises a conventional telephone switching network.

53. (New) The method of claim 52 wherein the at least one communication link is an analog communication link.

54. (New) The method of claim 45 wherein the establishing is based upon the associated type of the one of the at least one communication link.

55. (New) The method of claim 45 wherein the call status represents one of a busy condition, a ringing condition, and connection established condition.

56. (New) The method of claim 45 wherein establishing comprises converting information received from the wireless packet communication link for transmission via the one of the at least one communication link, and converting information received from the one of the at least one communication link for transmission via the wireless packet communication link.

57. (New) The method of claim 56 wherein establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

58. (New) The method of claim 57 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

59. (New) The method of claim 45 wherein establishing voice communication comprises establishing communication of data.

60. (New) The method of claim 59 wherein the data comprises image data.

61. (New) A method of operating a communication system, the method comprising:

receiving via a wireless packet communication link at least one message requesting setup of a voice call, the at least one message comprising a destination address;

identifying a type of the destination address;

establishing voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of a value of the destination address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

sending via the wireless packet communication link an indication of a call connected condition.

62. (New) The method of claim 61 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

63. (New) The method of claim 61 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

64. (New) The method of claim 61 wherein the wireless packet communication link uses an Internet protocol (IP).

65. (New) The method of claim 64 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

66. (New) The method of claim 61 wherein the at least one wired communication link comprises an Ethernet compatible network.

67. (New) The method of claim 61 wherein the at least one wired communication link comprises a conventional telephone switching network.

68. (New) The method of claim 61 wherein the type of destination address is one of an Internet protocol (IP) address and a telephone number.

69. (New) The method of claim 61 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

70. (New) The method of claim 69 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

71. (New) The method of claim 70 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

72. (New) The method of claim 61 wherein establishing voice communication comprises establishing communication of data.

73. (New) The method of claim 72 wherein the data comprises image data.

74. (New) A system supporting voice communication comprising:

at least one processor capable of receiving via a wireless packet communication link at least one message requesting setup of a voice call, the at least one message comprising a destination address;

the at least one processor capable of identifying a type of the destination address;

the at least one processor capable of establishing voice communication between the wireless packet communication link and at least one wired communication link based upon at least one of a value of the destination address, the identified type of the destination address, and a cost of use of the at least one wired communication link; and

the at least one processor capable of sending via the wireless packet communication link an indication of a call connected condition.

75. (New) The system of claim 74 wherein the wireless packet communication link communicates using a frequency of approximately 2.4 gigahertz.

76. (New) The system of claim 74 wherein the wireless packet communication link communicates using a frequency hopping spread spectrum technique.

77. (New) The system of claim 74 wherein the wireless packet communication link uses an Internet protocol (IP).

78. (New) The system of claim 77 wherein the wireless packet communication link uses the transmission control protocol (TCP)/Internet protocol (IP).

79. (New) The system of claim 74 wherein the at least one wired communication link comprises an Ethernet compatible network.

80. (New) The system of claim 74 wherein the at least one wired communication link comprises a conventional telephone switching network.

81. (New) The system of claim 74 wherein the type of destination address is one of an Internet protocol (IP) address and a telephone number.

82. (New) The system of claim 74 wherein the establishing comprises converting information received from the wireless packet communication link for transmission via the at least one wired communication link, and converting information received from the at least one wired communication link for transmission via the wireless packet communication link.

83. (New) The system of claim 82 wherein the establishing comprises converting analog representations of voice signals to digital representations of voice signals, and converting digital representations of voice signals to analog representations of voice signals.

84. (New) The system of claim 83 wherein the converting digital representations of voice signals to analog representations of voice signals comprises buffering the digital representations for a period of time in order to minimize gaps in the resulting analog representation caused by changes in a propagation delay.

85. (New) The system of claim 74 wherein establishing voice communication comprises establishing communication of data.

86. (New) The system of claim 85 wherein the data comprises image data.